

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/113,924DATE: 09/02/98
TIME: 14:23:27

INPUT SET: S28287.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

1
2
3 (1) General Information:
4
5 (i) APPLICANT: Brigstock, David R.
6 Harding, Paul H.
7
8 (ii) TITLE OF INVENTION: HEPARIN BINDING GROWTH FACTOR (HBGF)
9 POLYPEPTIDES
10
11 (iii) NUMBER OF SEQUENCES: 22
12
13 (iv) CORRESPONDENCE ADDRESS:
14 (A) ADDRESSEE: Fish & Richardson P.C.
15 (B) STREET: 4225 Executive Square, Suite 1400
16 (C) CITY: La Jolla
17 (D) STATE: CA
18 (E) COUNTRY: USA
19 (F) ZIP: 92037
20
21 (v) COMPUTER READABLE FORM:
22 (A) MEDIUM TYPE: Diskette
23 (B) COMPUTER: IBM Compatible
24 (C) OPERATING SYSTEM: Windows 95
25 (D) SOFTWARE: FastSEQ for Windows Version 2.0b
26
27 (vi) CURRENT APPLICATION DATA:
28 (A) APPLICATION NUMBER:
29 (B) FILING DATE:
30
31 (vii) PRIOR APPLICATION DATA:
32 (A) APPLICATION NUMBER: 08/908,526
33 (B) FILING DATE: 07-AUG-1997
34
35
36 (viii) ATTORNEY/AGENT INFORMATION:
37 (A) NAME: Haile, Lisa A., Ph.D.
38 (B) REGISTRATION NUMBER: 38,347
39 (C) REFERENCE/DOCKET NUMBER: 08766/003001
40
41 (ix) TELECOMMUNICATION INFORMATION:
42 (A) TELEPHONE: 619/678-5070
43 (B) TELEFAX: 619/678-5099
44
45
46 (2) INFORMATION FOR SEQ ID NO:1:

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47

48 (i) SEQUENCE CHARACTERISTICS:

49 (A) LENGTH: 16 amino acids

50 (B) TYPE: amino acid

51 (D) TOPOLOGY: linear

52

53 (ii) MOLECULE TYPE: peptide

54

55 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

56

57 Glu Glu Asn Ile Lys Lys Gly Lys Lys Xaa Ile Arg Thr Pro Lys Ile

58 1 5 10 15

59

60

61 (2) INFORMATION FOR SEQ ID NO:2:

62

63 (i) SEQUENCE CHARACTERISTICS:

64 (A) LENGTH: 12 amino acids

65 (B) TYPE: amino acid

66 (D) TOPOLOGY: linear

67

68 (ii) MOLECULE TYPE: peptide

69

70 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

71

72 Glu Asn Ile Lys Lys Gly Lys Lys Xaa Ile Arg Thr

73 1 5 10

74

75

76 (2) INFORMATION FOR SEQ ID NO:3:

77

78 (i) SEQUENCE CHARACTERISTICS:

79 (A) LENGTH: 41 base pairs

80 (B) TYPE: nucleic acid

81 (C) STRANDEDNESS: single

82 (D) TOPOLOGY: linear

83

84 (ii) MOLECULE TYPE: oligonucleotide

85

86 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

87

88 GCCGTCTAGA GCGGCCGCAT GGAAGAGAAC ATTAAGAAGG G

41

89

90

91 (2) INFORMATION FOR SEQ ID NO:4:

92

93 (i) SEQUENCE CHARACTERISTICS:

94 (A) LENGTH: 30 base pairs

95 (B) TYPE: nucleic acid

96 (C) STRANDEDNESS: single

97 (D) TOPOLOGY: linear

98

99 (ii) MOLECULE TYPE: oligonucleotide

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100

101 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

102

103 CCTCTGTACC GTACTTAAGC GCCGGCGACC

30

104

105 (2) INFORMATION FOR SEQ ID NO:5:

106

107 (i) SEQUENCE CHARACTERISTICS:

108 (A) LENGTH: 14 amino acids

109 (B) TYPE: amino acid

110 (D) TOPOLOGY: linear

111

112 (ii) MOLECULE TYPE: peptide

113

114 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

115

116 Glu Glu Asn Ile Lys Lys Gly Lys Lys Cys Ile Arg Thr Pro

117 1 5 10

118

119 (2) INFORMATION FOR SEQ ID NO:6:

120

121 (i) SEQUENCE CHARACTERISTICS:

122 (A) LENGTH: 9 amino acids

123 (B) TYPE: amino acid

124 (D) TOPOLOGY: linear

125

126 (ii) MOLECULE TYPE: peptide

127

128 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

129

130 Glu Glu Asn Ile Lys Lys Gly Lys Lys

131 1 5

132

133 (2) INFORMATION FOR SEQ ID NO:7:

134

135 (i) SEQUENCE CHARACTERISTICS:

136 (A) LENGTH: 16 amino acids

137 (B) TYPE: amino acid

138 (D) TOPOLOGY: linear

139

140 (ii) MOLECULE TYPE: peptide

141

142 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

143

144 Ile Arg Thr Pro Lys Ile Ser Lys Pro Ile Lys Phe Glu Leu Ser Gly

145 1 5 10 15

146

147

148 (2) INFORMATION FOR SEQ ID NO:8:

149

150 (i) SEQUENCE CHARACTERISTICS:

151 (A) LENGTH: 17 amino acids

152 (B) TYPE: amino acid

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153 (D) TOPOLOGY: linear
154
155 (ii) MOLECULE TYPE: peptide
156
157 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
158
159 Thr Pro Lys Ile Ser Lys Pro Ile Lys Phe Glu Leu Ser Gly Cys Thr
160 1 5 10 15
161 Ser
162
163
164 (2) INFORMATION FOR SEQ ID NO:9:
165
166 (i) SEQUENCE CHARACTERISTICS:
167 (A) LENGTH: 10 amino acids
168 (B) TYPE: amino acid
169 (D) TOPOLOGY: linear
170
171 (ii) MOLECULE TYPE: peptide
172
173 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
174
175 Thr Ser Met Lys Thr Tyr Arg Ala Lys Phe
176 1 5 10
177
178 (2) INFORMATION FOR SEQ ID NO:10:
179
180 (i) SEQUENCE CHARACTERISTICS:
181 (A) LENGTH: 13 amino acids
182 (B) TYPE: amino acid
183 (D) TOPOLOGY: linear
184
185 (ii) MOLECULE TYPE: peptide
186
187 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
188
189 Thr Ser Met Lys Thr Tyr Arg Ala Lys Phe Cys Gly Val
190 1 5 10
191
192 (2) INFORMATION FOR SEQ ID NO:11:
193
194 (i) SEQUENCE CHARACTERISTICS:
195 (A) LENGTH: 7 amino acids
196 (B) TYPE: amino acid
197 (D) TOPOLOGY: linear
198
199 (ii) MOLECULE TYPE: peptide
200
201 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:
202
203 Gly Val Cys Thr Asp Gly Arg
204 1 5
205

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207

(2) INFORMATION FOR SEQ ID NO:12:

208

209

(i) SEQUENCE CHARACTERISTICS:

210

(A) LENGTH: 8 amino acids

211

(B) TYPE: amino acid

212

(D) TOPOLOGY: linear

213

214

(ii) MOLECULE TYPE: peptide

215

216

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

217

Gly Val Cys Thr Asp Gly Arg Ser

218

1

5

219

220

221

222

(2) INFORMATION FOR SEQ ID NO:13:

223

224

(i) SEQUENCE CHARACTERISTICS:

225

(A) LENGTH: 14 amino acids

226

(B) TYPE: amino acid

227

(D) TOPOLOGY: linear

228

229

(ii) MOLECULE TYPE: peptide

230

231

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:

232

Cys Thr Pro His Arg Thr Thr Thr Leu Pro Val Glu Phe Lys

233

1

5

10

234

235

236

237

(2) INFORMATION FOR SEQ ID NO:14:

238

239

(i) SEQUENCE CHARACTERISTICS:

240

(A) LENGTH: 13 amino acids

241

(B) TYPE: amino acid

242

(D) TOPOLOGY: linear

243

244

(ii) MOLECULE TYPE: peptide

245

246

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:

247

Thr Pro His Arg Thr Thr Thr Leu Pro Val Glu Phe Lys

248

1

5

10

249

250

251

252

(2) INFORMATION FOR SEQ ID NO:15:

253

254

(i) SEQUENCE CHARACTERISTICS:

255

(A) LENGTH: 18 amino acids

256

(B) TYPE: amino acid

257

(D) TOPOLOGY: linear

258

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SEQUENCE VERIFICATION REPORT
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Line

Error

Original Text